



11 Publication number:

**0 293 756**  
**A3**

12

## EUROPEAN PATENT APPLICATION

21 Application number: **88108394.3**

51 Int. Cl.4: **B29C 45/58 , B29C 45/27**

22 Date of filing: **26.05.88**

30 Priority: **01.06.87 US 56056**

43 Date of publication of application:  
**07.12.88 Bulletin 88/49**

84 Designated Contracting States:  
**AT BE CH DE ES FR GB IT LI NL SE**

88 Date of deferred publication of the search report:  
**06.12.89 Bulletin 89/49**

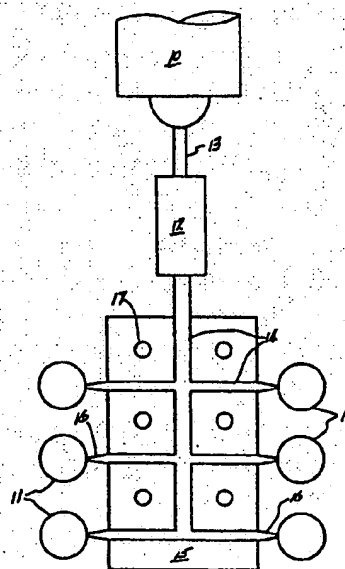
71 Applicant: **HUSKY INJECTION MOLDING  
SYSTEMS LTD.**  
**500 Queen Street South**  
**CA-Bolton, Ontario L0P 1A0(CA)**

72 Inventor: **Halar, Mladen**  
**21 Deerpark Cres.**  
**Brampton Ontario L6X 2T6(CA)**  
Inventor: **Paulovic, Anthony**  
**369 Hersey Cr.**  
**Brampton Ontario(CA)**  
Inventor: **Heathe, William E.**  
**428 Bud Gergory Blvd.**  
**Mississauga, Ontario L4Z 2P3(CA)**

74 Representative: **Weiss, Peter**  
**Schlachthausstrasse 1 Postfach 466**  
**D-7700 Singen a.H.(DE)**

54 **Method of processing molten plastic materials.**

57 Molten plastic material is transferred from a source (10) of molten plastic material to a nozzle (16) for supplying a mold (11) for the formation of molded plastic articles along a transfer path (14), which subjects the molten plastic material to shear heating along the transfer path (14) with the creation of a shear heating history. The shear heating history of the molten plastic material is substantially equalized by mixing the material at least once in the transfer path (14). The heating history of the molten plastic material is also equalized by mixing the material while it is in the source.



**FIG-1**

**EP 0 293 756 A3**



European Patent  
Office

# EUROPEAN SEARCH REPORT

Application number

DOCUMENTS CONSIDERED TO BE RELEVANT			EP 88108394.3
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl. 4)
A	<u>DE - A1 - 3 201 710</u> (GELLERT) * Fig. 1; abstract * --	1-3	B 29 C 45/58 B 29 C 45/27
A	<u>US - A - 3 642 418</u> (VON HOLDT) * Totality * --	1-4	
A	<u>US - A - 3 936 038</u> (OLMSTED) * Totality * --	1,2,9, 12	
A	<u>US - A - 3 156 013</u> (ELPHEE) * Fig. 1-3 * --	1	
A	<u>US - A - 4 027 857</u> (CUNNINGHAM) * Totality * ----		
			TECHNICAL FIELDS SEARCHED (Int. Cl. 4)
			B 29 C
The present search report has been drawn up for all claims			
Place of search VIENNA		Date of completion of the search 31-08-1989	Examiner MAYER
<b>CATEGORY OF CITED DOCUMENTS</b>			
X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document		T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document	